

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Dexter Corporation, Hysol Division		EMERGENCY TELEPHONE NO. 415/687-4201
ADDRESS (Number, Street, City, State, and ZIP Code) 2850 Willow Pass Road (P.O. Box 312), Pittsburg, California 94565		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS EA 934 Part A
CHEMICAL FAMILY Modified epoxy	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE Epoxy Resins	58		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Asbestos*	14		OTHERS		
OTHERS Fillers	28				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
*If it is necessary to sand the cured adhesive "wet sanding" is recommended to eliminate airborne asbestos. For "dry sanding" follow recommendations in Section VIII.					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Decomposes before boiling	SPECIFIC GRAVITY (H ₂ O=1)	1.55
VAPOR PRESSURE (mm Hg.)	Not Available	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	Not Available	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	Neg.		
APPEARANCE AND ODOR	Viscous grey paste with slight odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	> 200°F TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Chemical Foam, Dry Chemicals, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS	Dense smoke may be liberated			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Rat Oral LD50 >2.0 gm/kg estimated. Rabbit Percut LD50 >2.0 gm/kg estimated.

EFFECTS OF OVEREXPOSURE

WARNING! May cause eye irritation, skin sensitization or other allergic responses.

EMERGENCY AND FIRST AID PROCEDURES

Wash skin immediately with soap and water. Flush eyes immediately with plenty of water.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

X

CONDITIONS TO AVOID

Follow recommended storage conditions

STABLE

See Section IX

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

Compounds of carbon and nitrogen

HAZARDOUS POLYMERIZATION

MAY OCCUR

X

CONDITIONS TO AVOID

Exothermic reaction - avoid heating

WILL NOT OCCUR

large masses too high in temperature.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove excess. Clean with solvents.

WASTE DISPOSAL METHOD

Land burial

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Approved NIOSH respirator and mask for asbestos*.

VENTILATION

LOCAL EXHAUST

Recommended

SPECIAL

MECHANICAL (General)

Recommended

OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Safety glasses or goggles

OTHER PROTECTIVE EQUIPMENT

*This is not necessary unless the cured adhesive is dry sanded, abraded, etc.

See Section II

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Follow recommended storage conditions:

3 months at 77°F; 1 year at 40°F; 2 years at 0°F

OTHER PRECAUTIONS

ANSI Classification 4

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ADDRESS (Number, Street, City, State, and ZIP Code) 2850 Willow Pass Road (P.O. Box 312), Pittsburg, California 94565		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS EA 934 Part B
CHEMICAL FAMILY Polyamide/Aliphatic Amine	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST Polyamide	87		ALLOYS		
Diethylenetriamine	13		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Decomposes before boiling	SPECIFIC GRAVITY (H ₂ O=1)	0.96
VAPOR PRESSURE (mm Hg.)	Not Determined	PERCENT, VOLATILE BY VOLUME (%)	Not Determined
VAPOR DENSITY (AIR=1)	Not Determined	EVAPORATION RATE (_____ =1)	Not Determined
SOLUBILITY IN WATER	Slightly		
APPEARANCE AND ODOR	Amber liquid with ammonical odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	>200°F TCC	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Chemical Foam, dry chemicals, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Rat. Oral LD50 2.33 gm/kg estimated. Rabbit Percut LD 50 >2.0 gm/kg estimated.

EFFECTS OF OVEREXPOSURE

DANGER! Causes severe eye burns. May cause skin sensitization or other allergic responses.

EMERGENCY AND FIRST AID PROCEDURES

Wash skin immediately with soap and water. Flush eyes with water for at least 15 minutes. Get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS Compounds of carbon and nitrogen			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove excess. Scrub with 5% acetic acid to emulsify. Rinse with very hot water.

WASTE DISPOSAL METHOD

Controlled burning or burial.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES Rubber		EYE PROTECTION Safety glasses or goggles
OTHER PROTECTIVE EQUIPMENT Special eye wash fountain		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**OTHER PRECAUTIONS**

ANSI Classification 4